

Fig.1

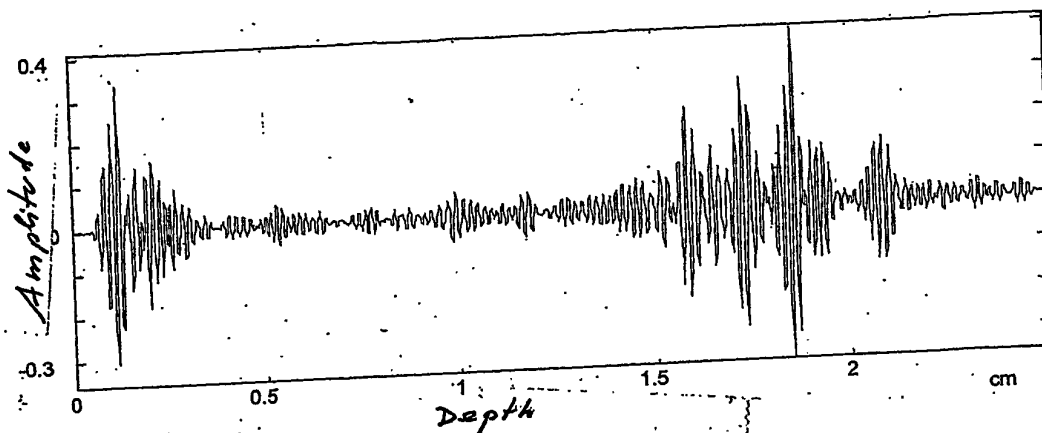


Fig.2

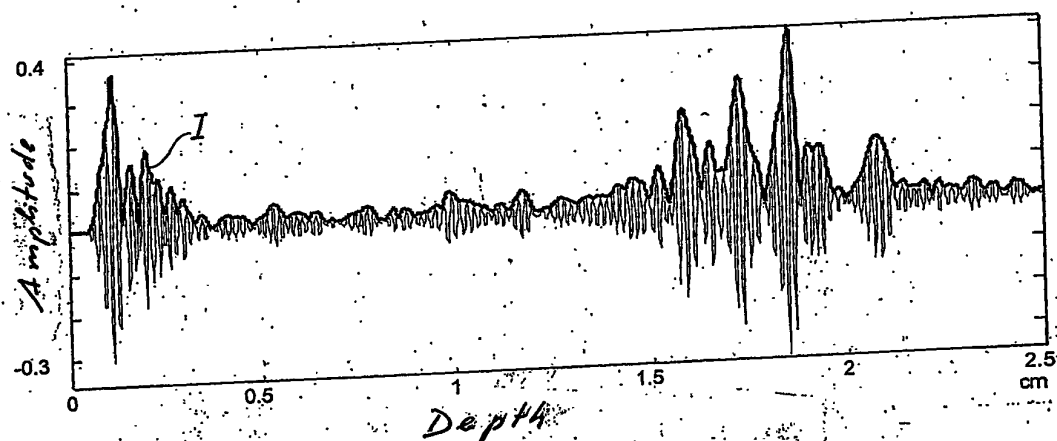
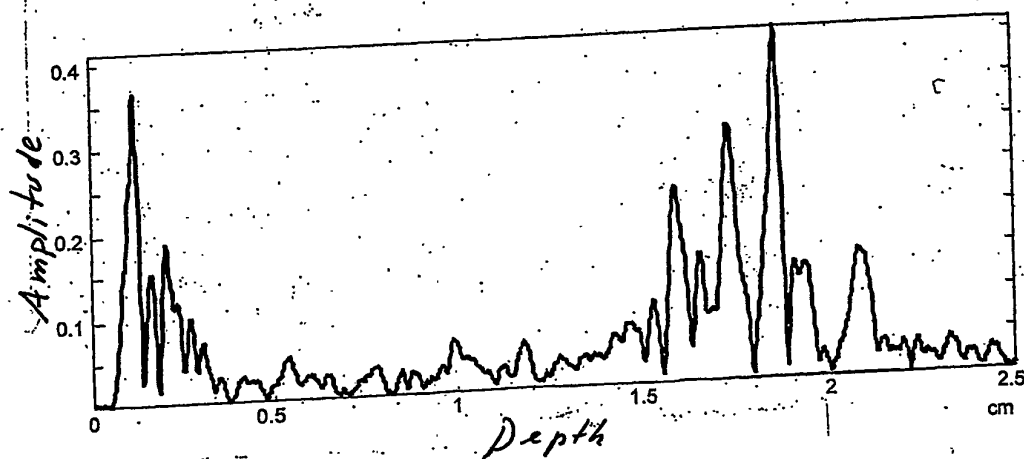


Fig.3



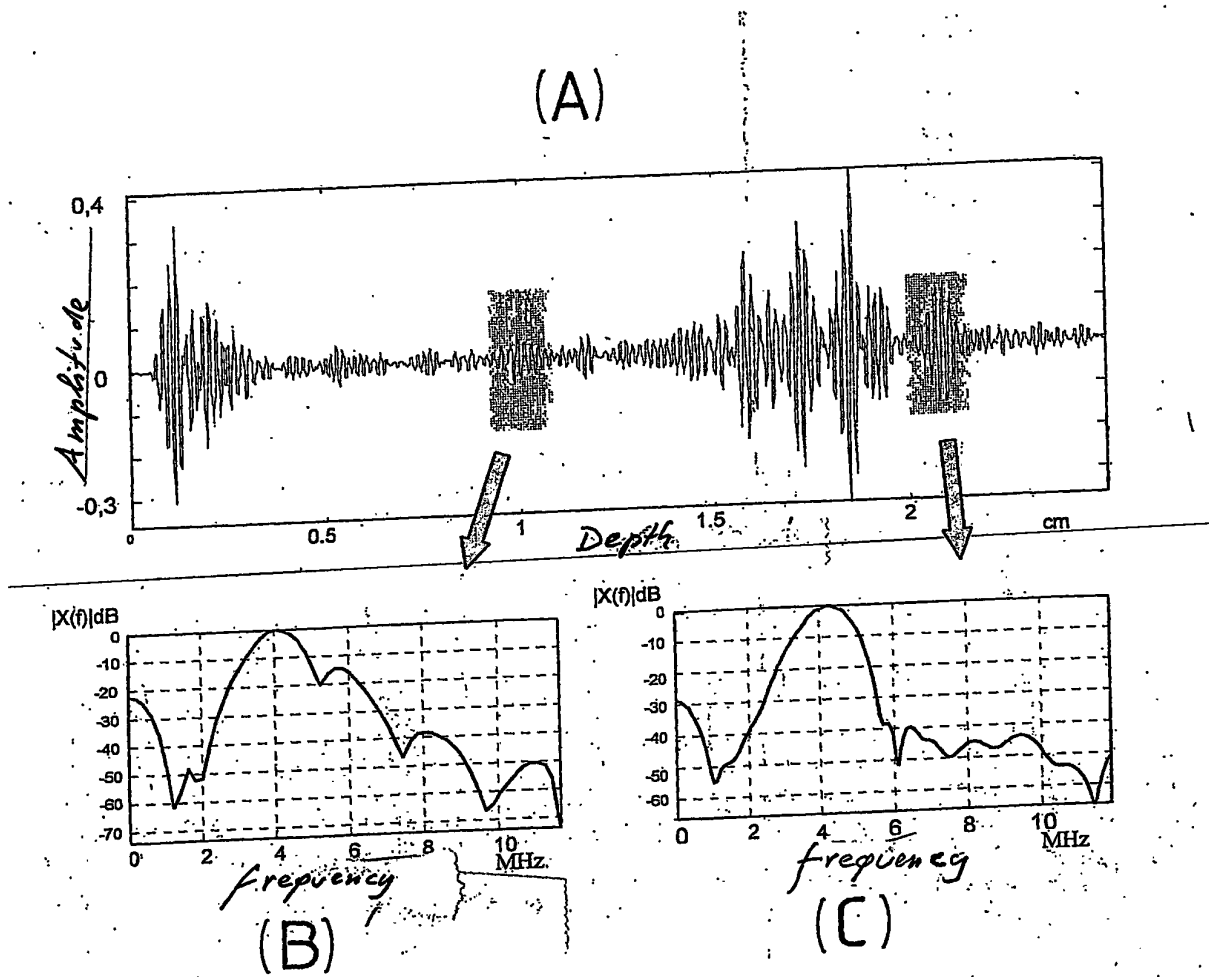
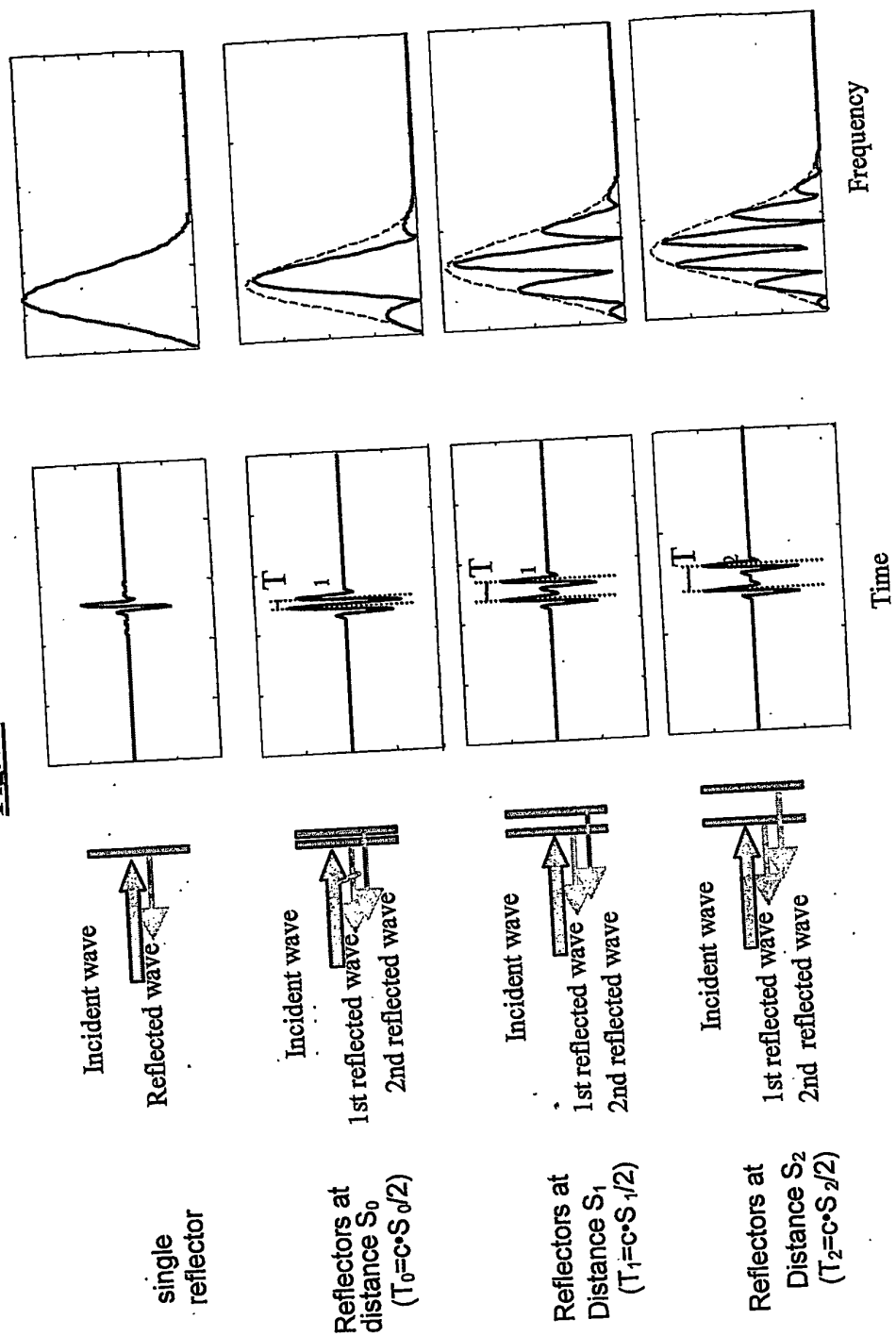


Fig. 4

Fig.4D



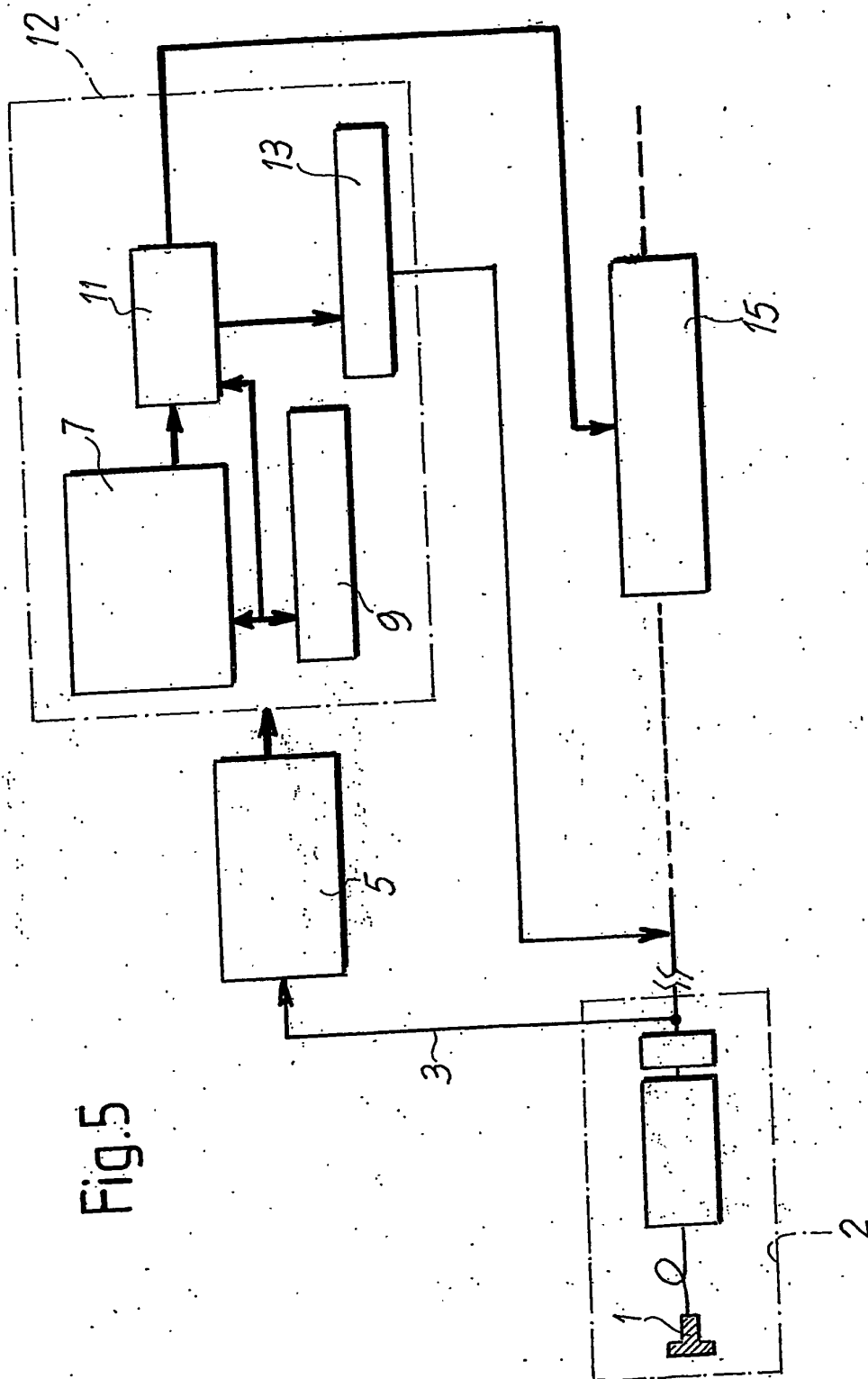


Fig.5

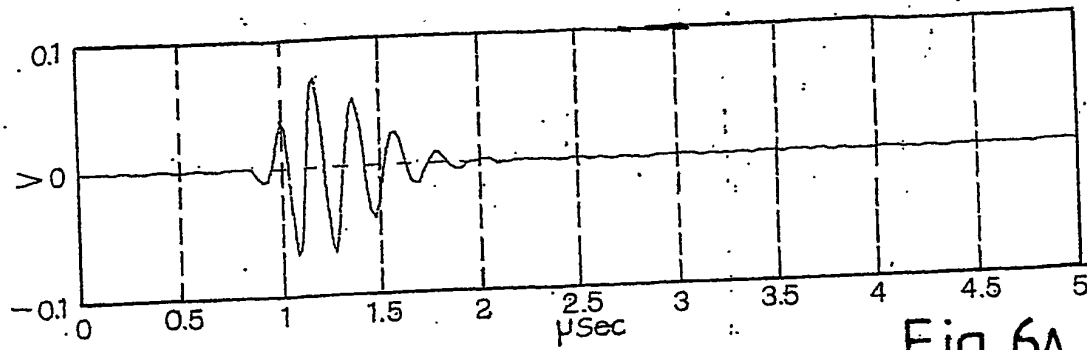


Fig. 6A

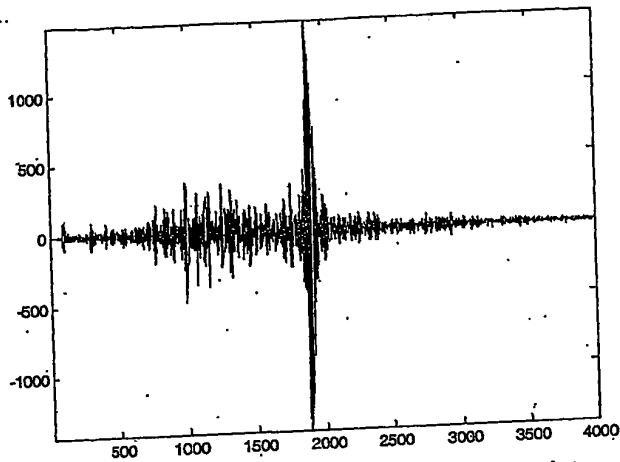


Fig. 6B

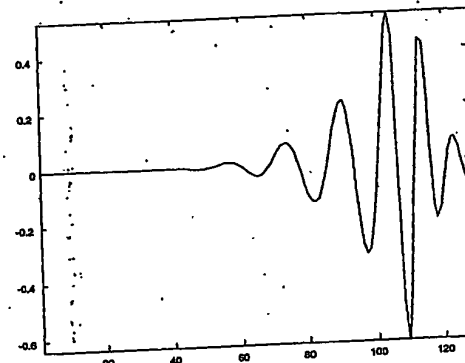


Fig. 6C

Band 1 [0:2.5 MHz]

Band 2 [2.5:5 MHz]

Band 3 [5:7.5 MHz]

Band 4 [7.5:10 MHz]

Band 5 [10:12.5 MHz]

Band 6 [12.5:15 MHz]

Band 7 [15:17.5 MHz]

Band 8 [17.5:20 MHz]

Fig. 6D

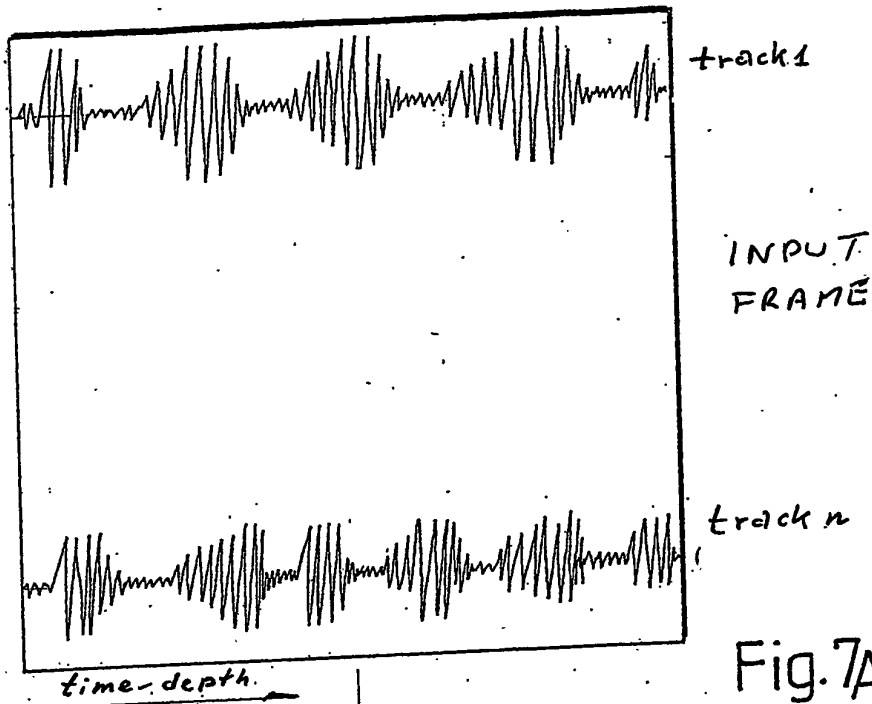


Fig. 7A

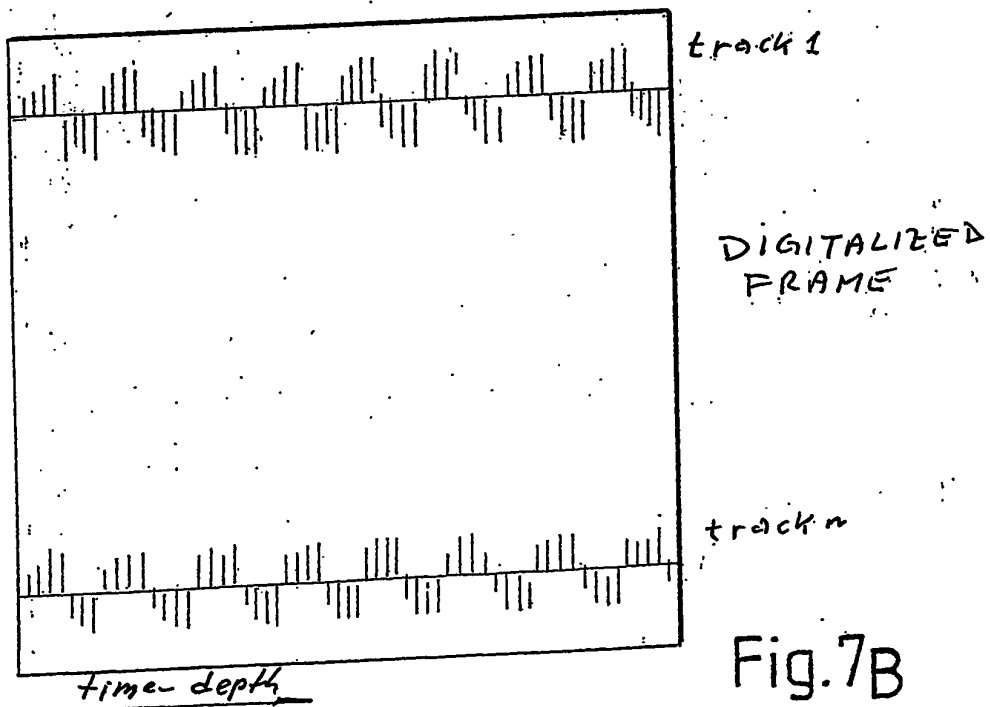


Fig. 7B

Fig. 7c

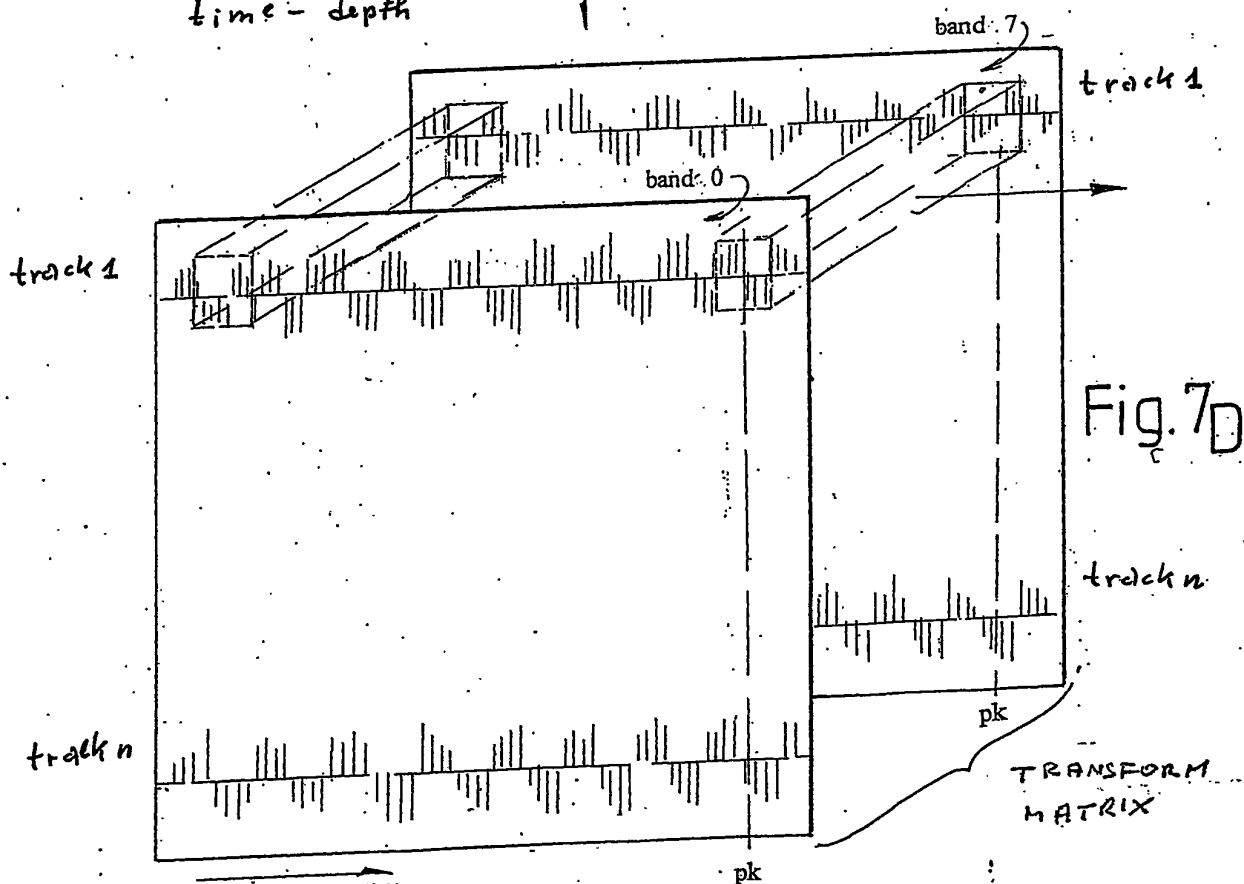
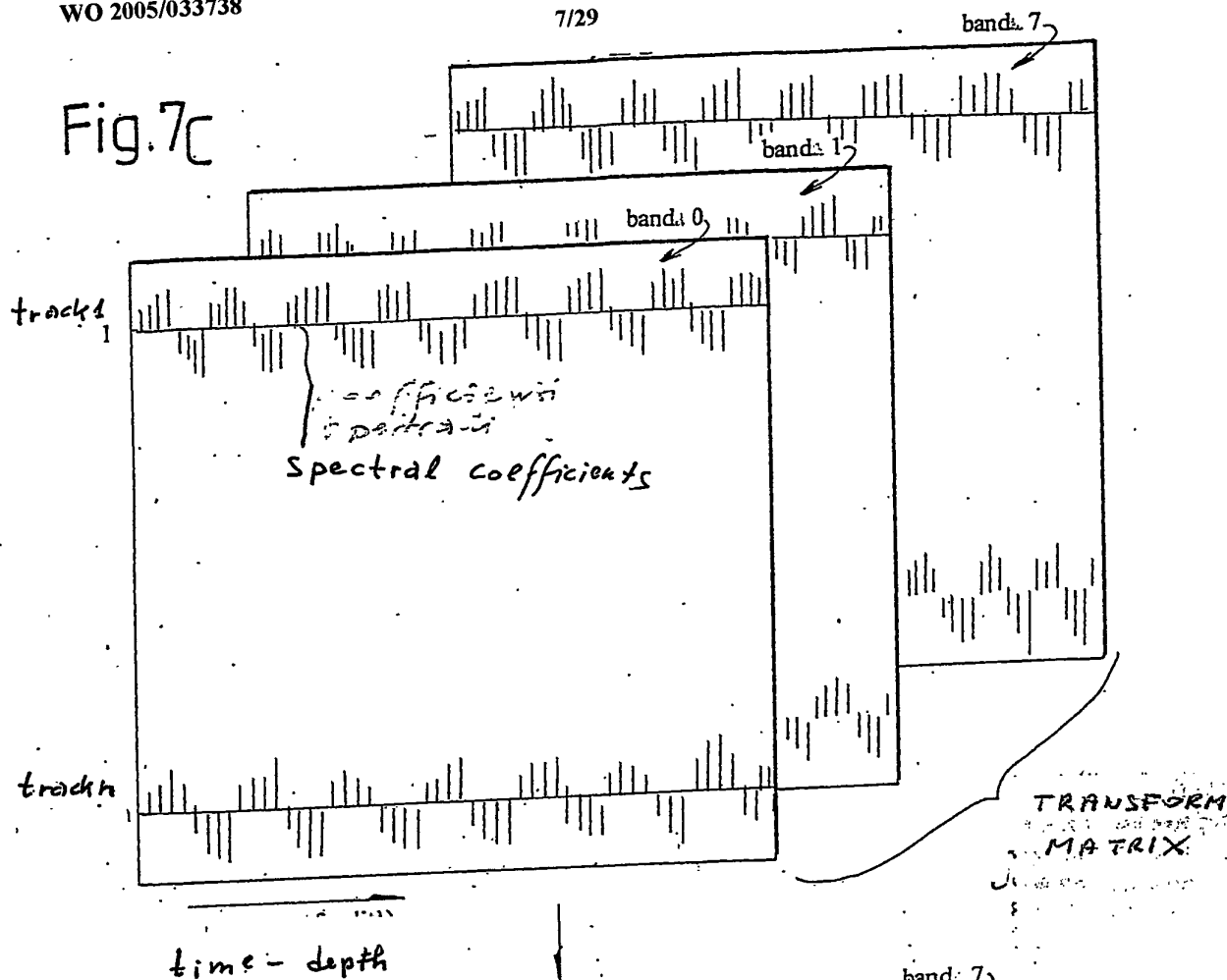
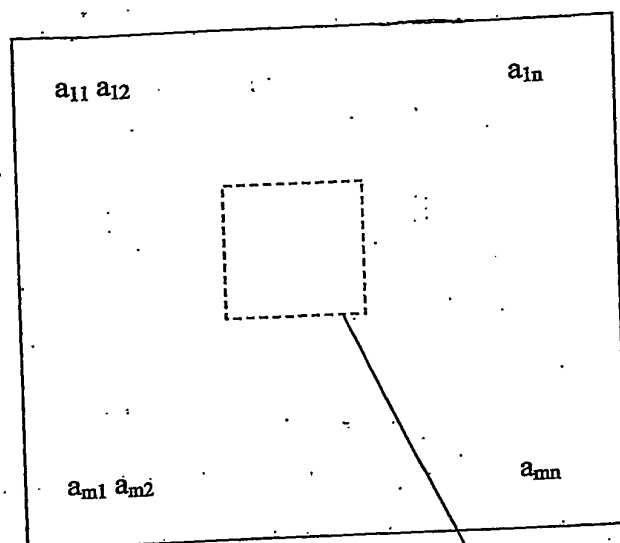
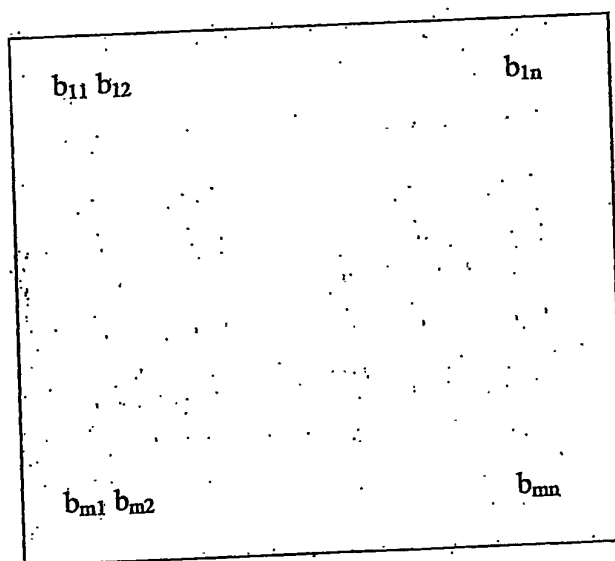


Fig. 7d

**Fig.7G**

LOCAL
ESTIMATORS
MATRIX

 σ_{ij} 

$$b_{ij} = f(a_{ij}, \sigma_{ij})$$

Fig.7H

WEIGHTED
LOCAL ESTIMATORS
MATRIX

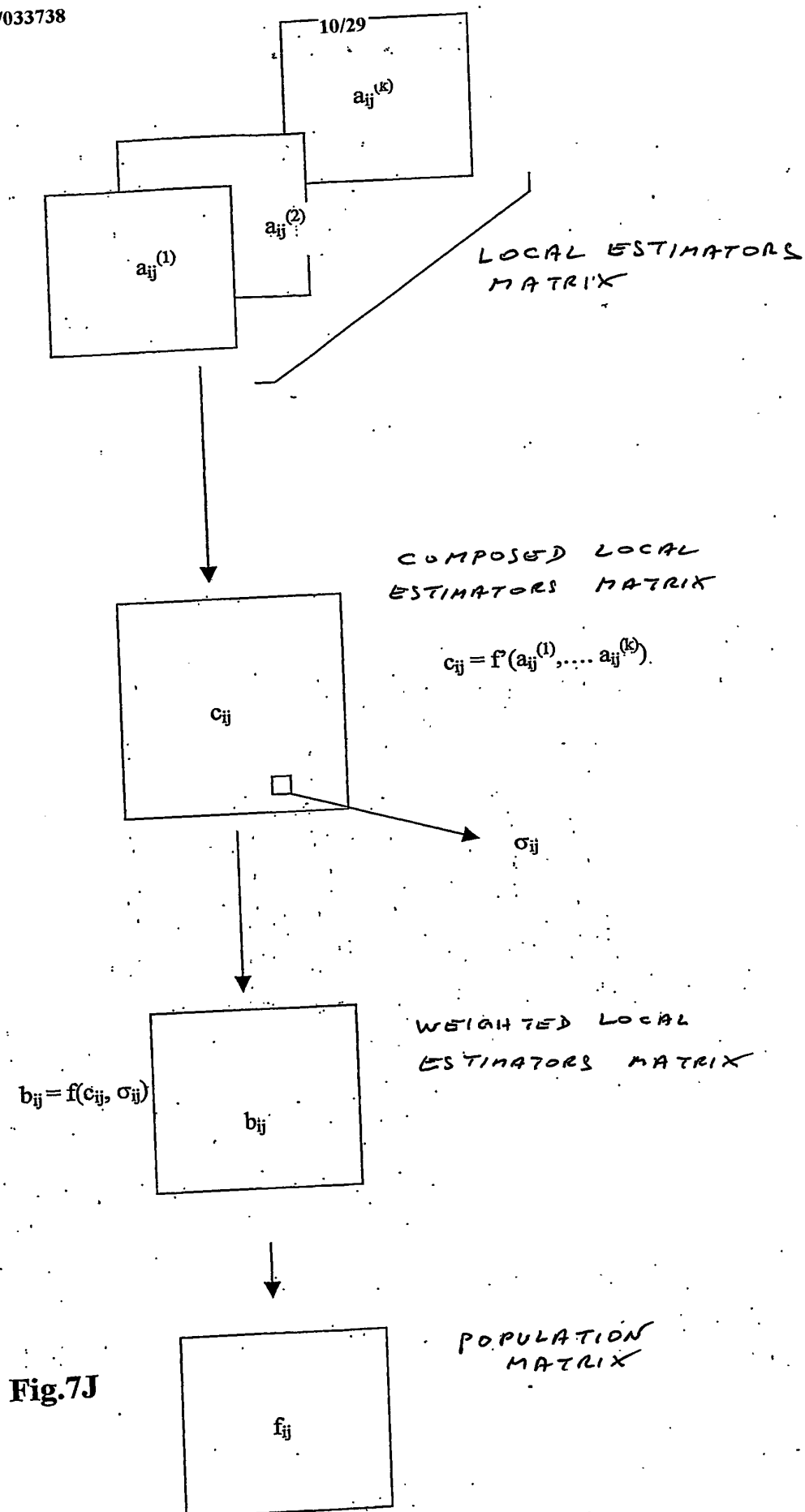


Fig.7J

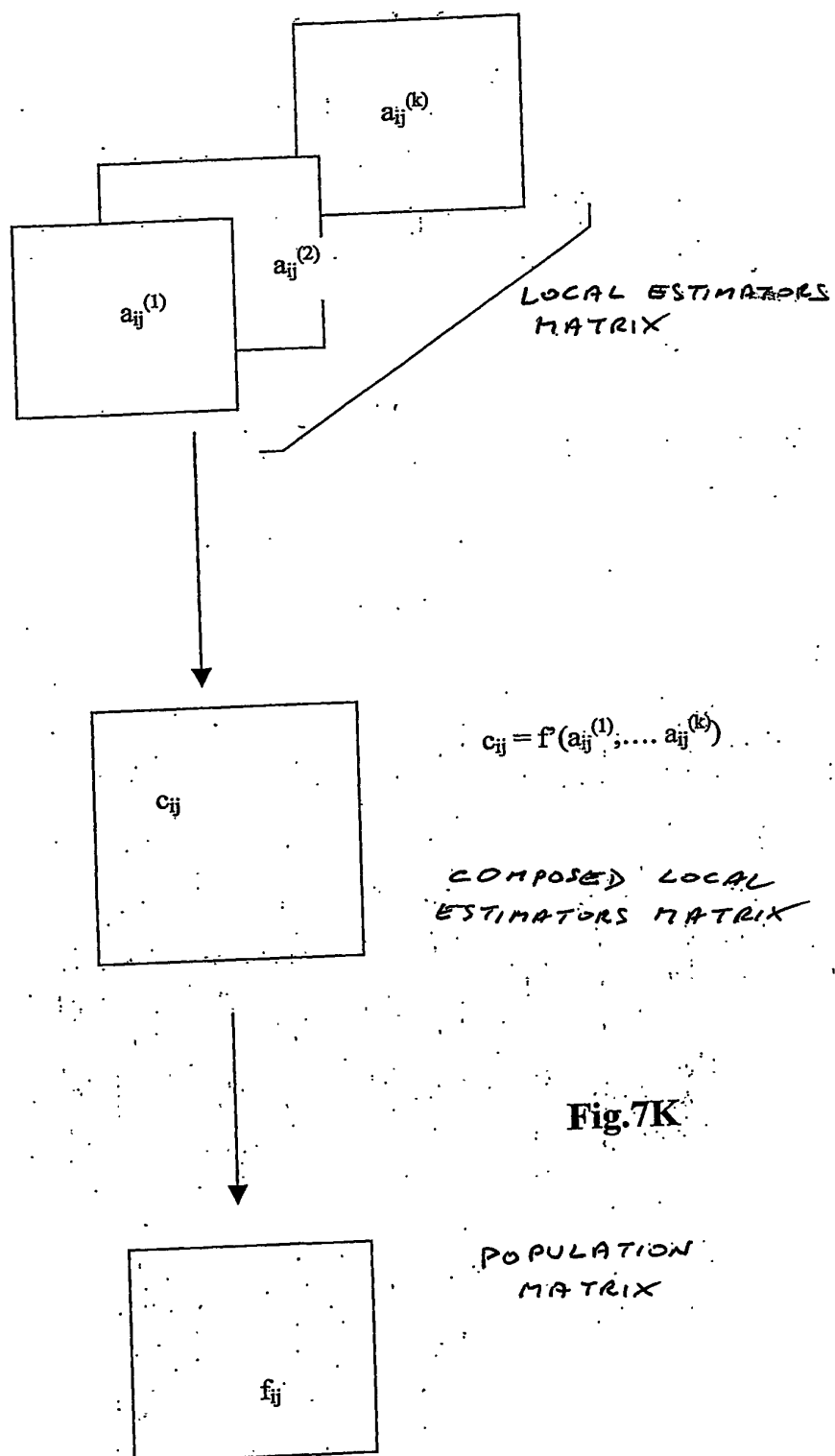


Fig.7K

Fig.8A

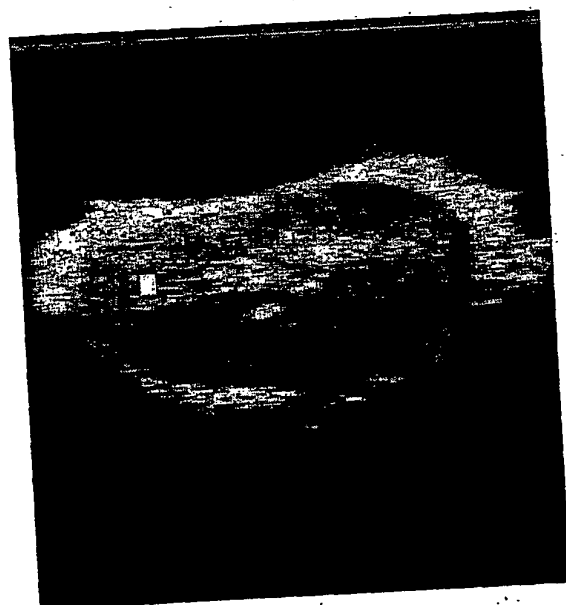
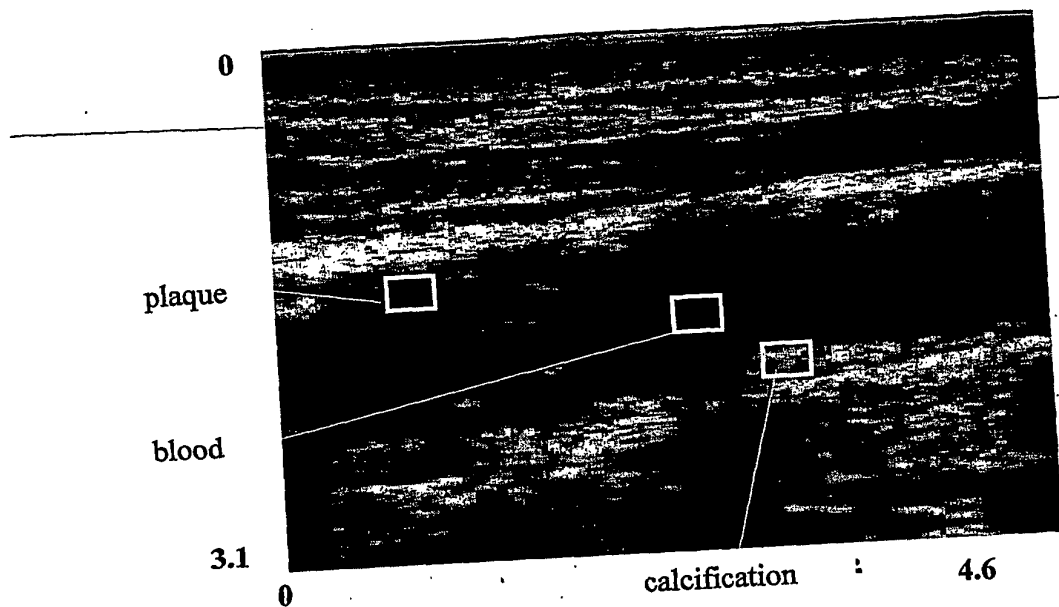


Fig.8B

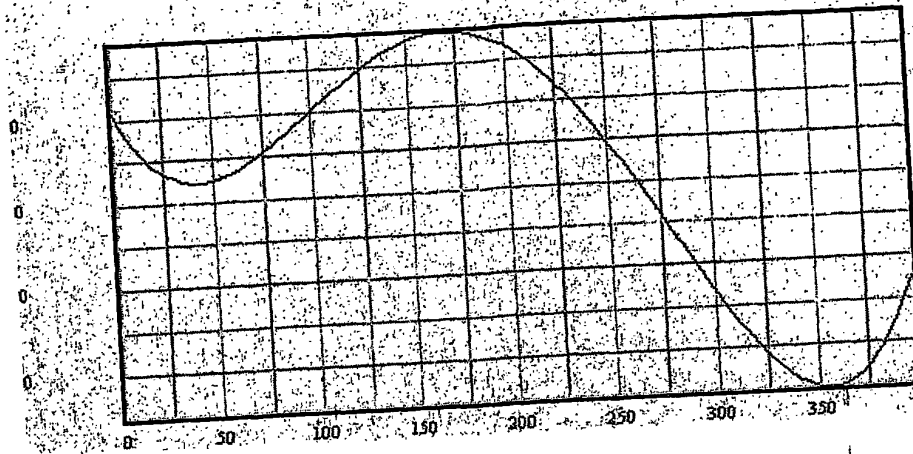


Fig.9A

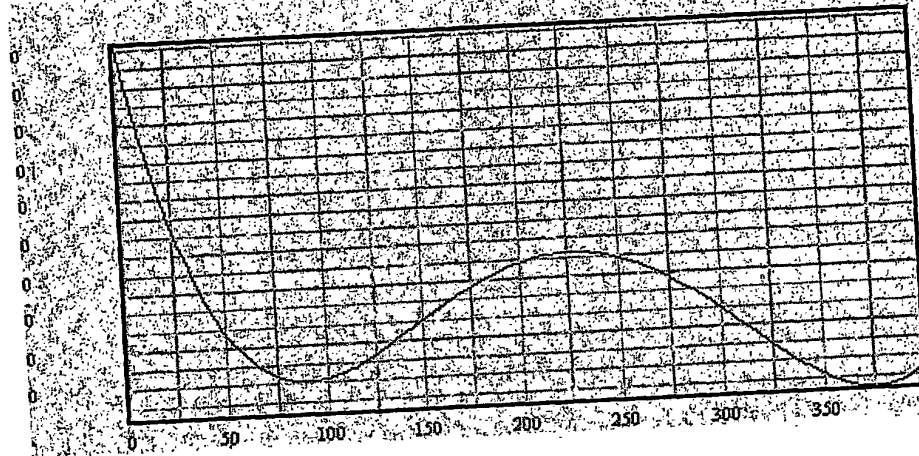


Fig.9B

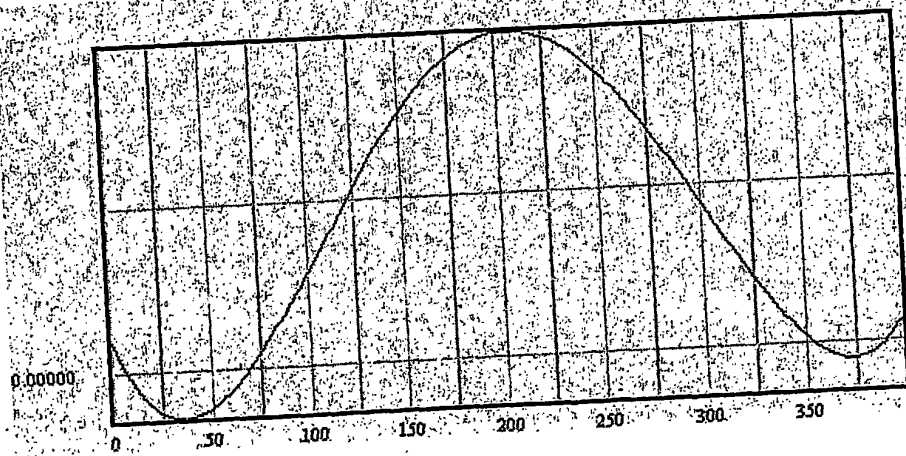


Fig.9C

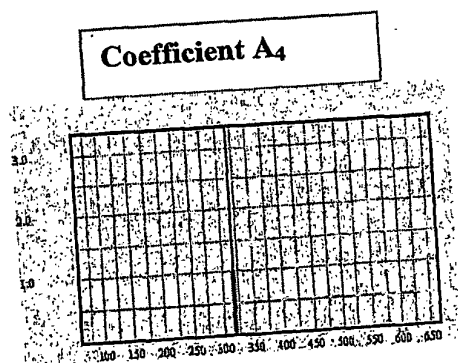
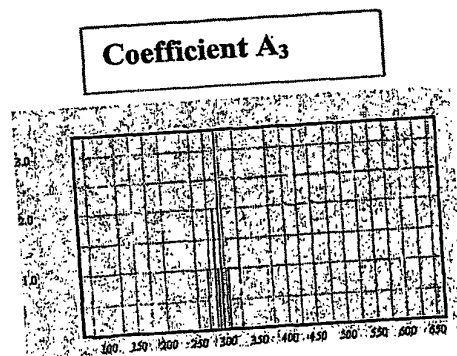
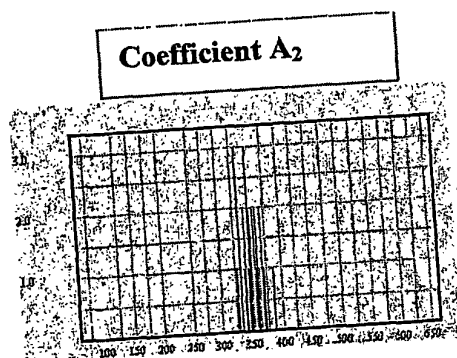
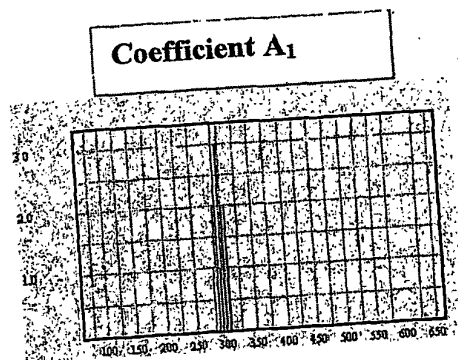
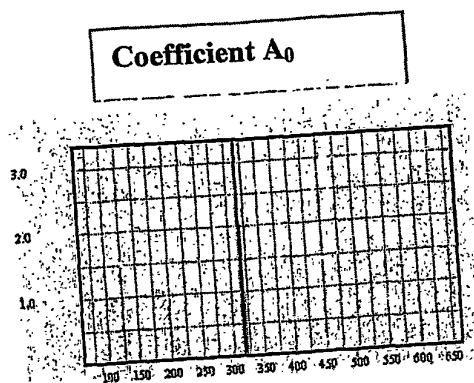


Fig.10

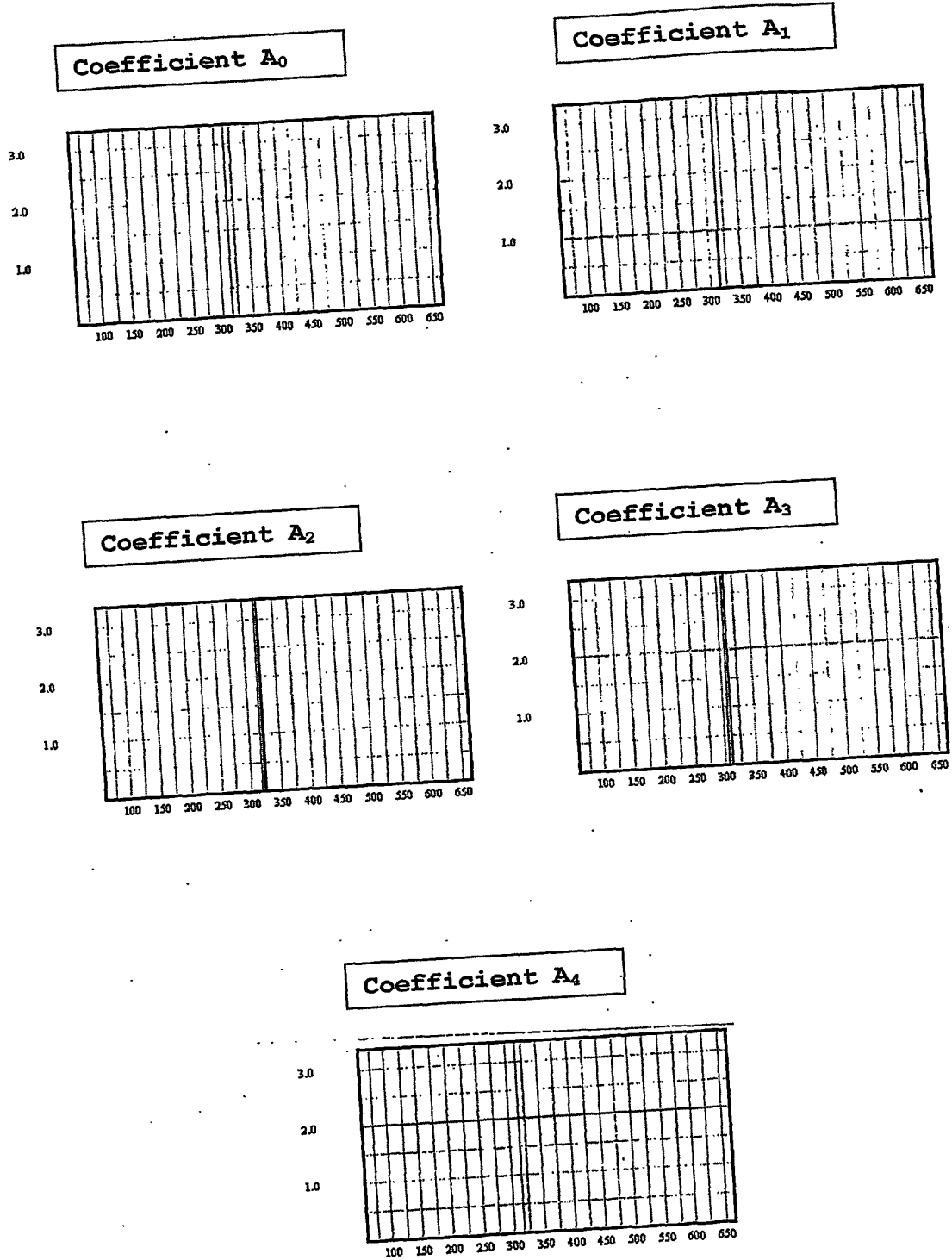


Fig.12

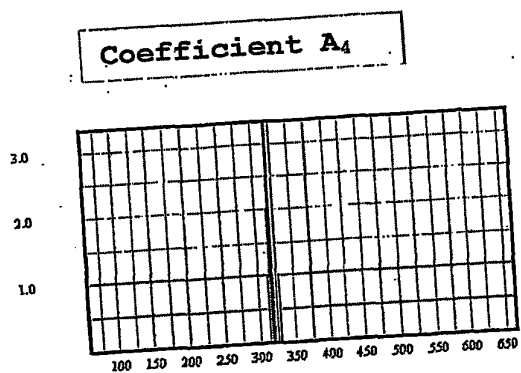
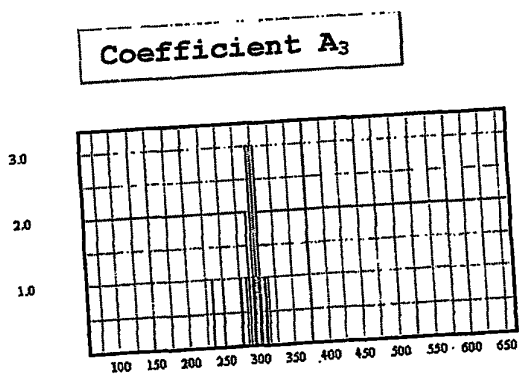
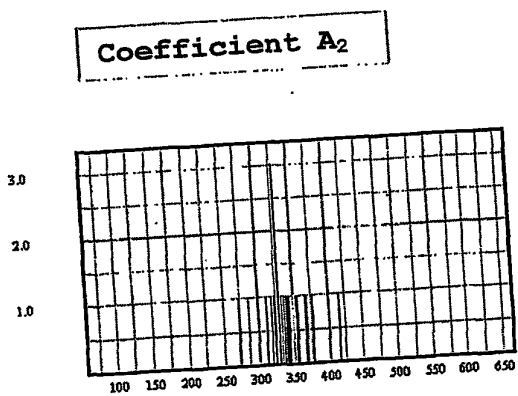
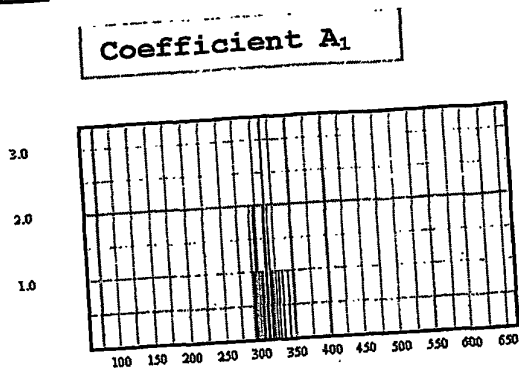
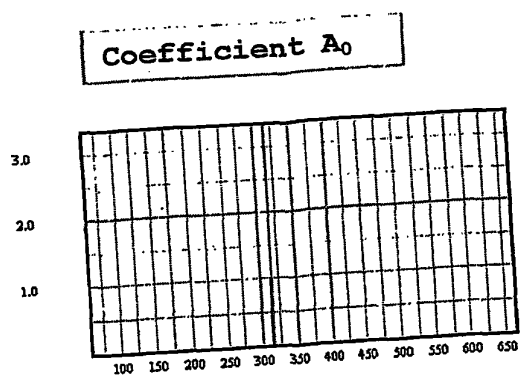


Fig.13A

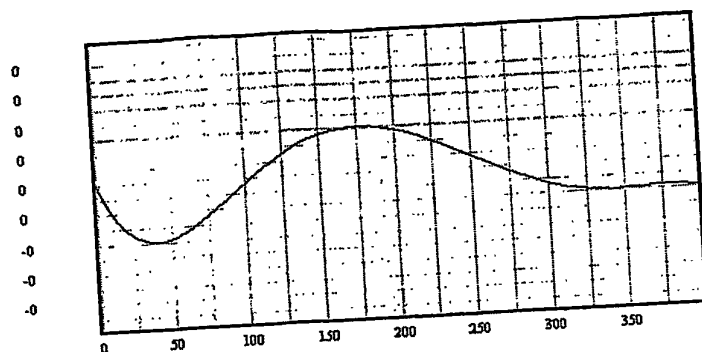


Fig.13B

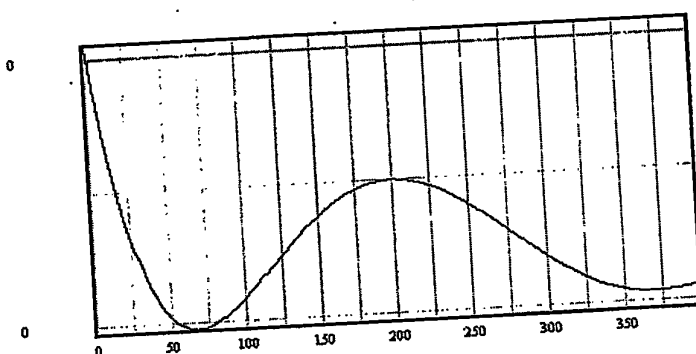


Fig.13C

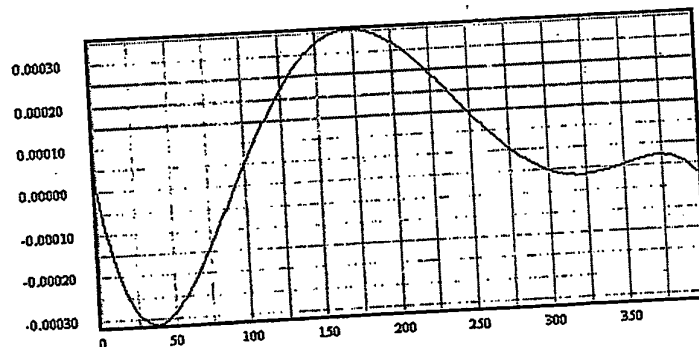


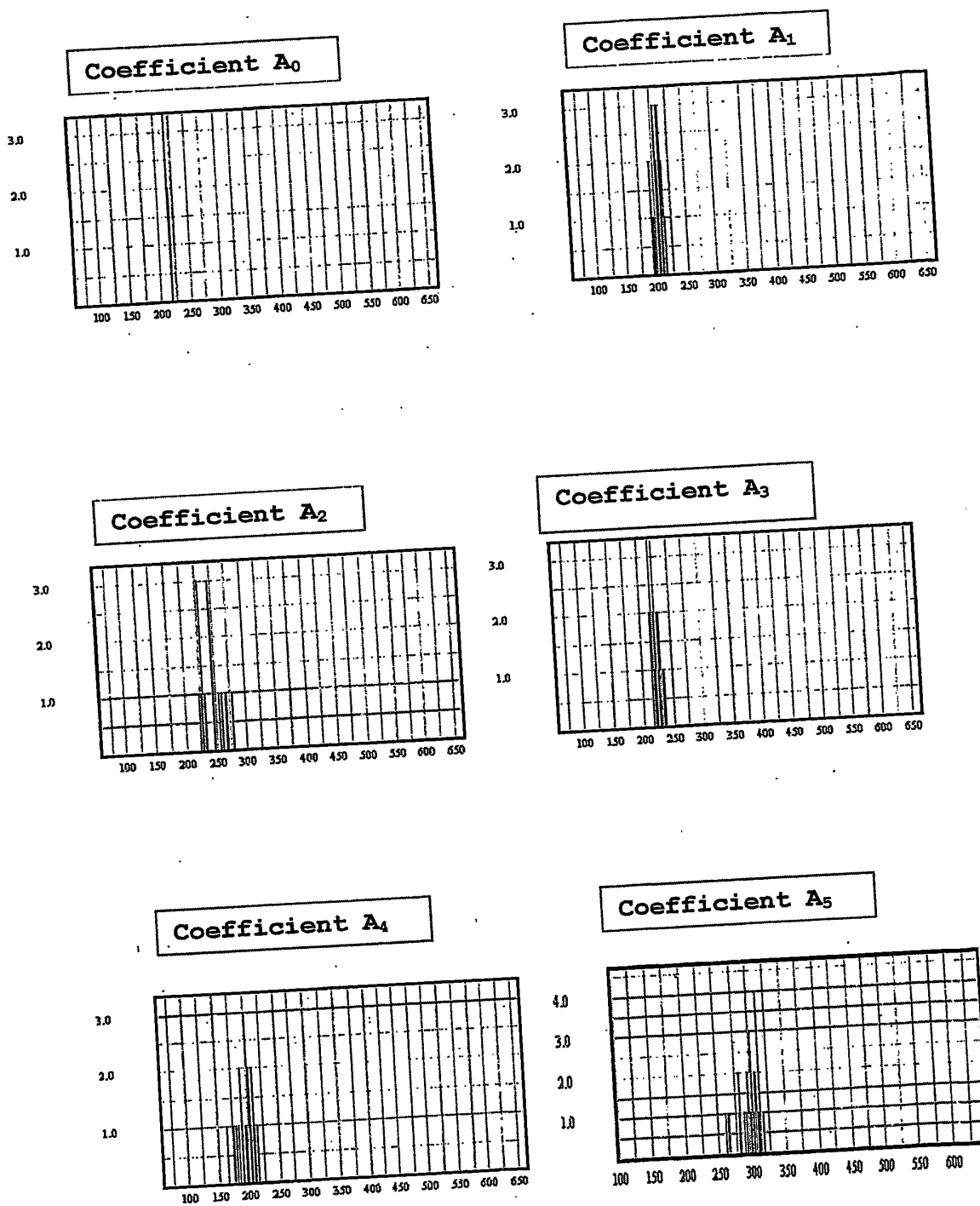
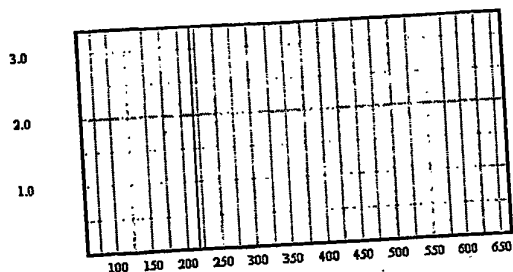
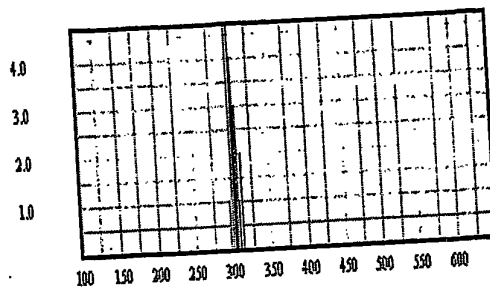
Fig.14

Fig.15

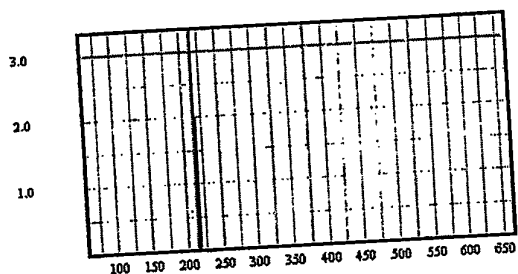
Coefficient A_0



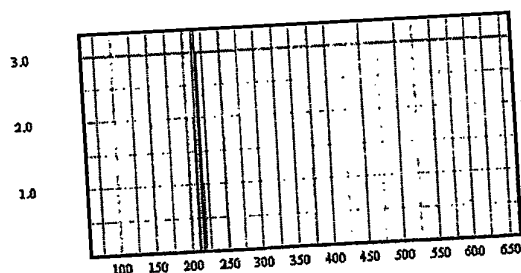
Coefficient A_1



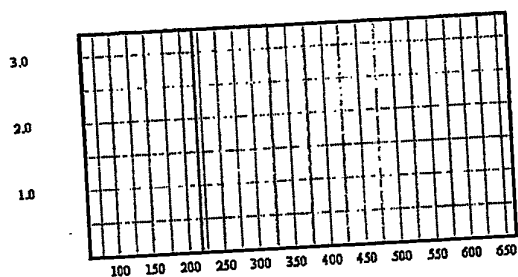
Coefficient A_2



Coefficient A_3



Coefficient A_4



Coefficiente A_5

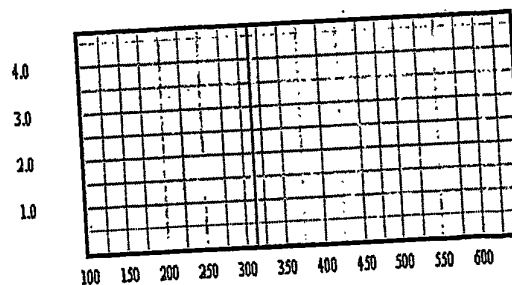
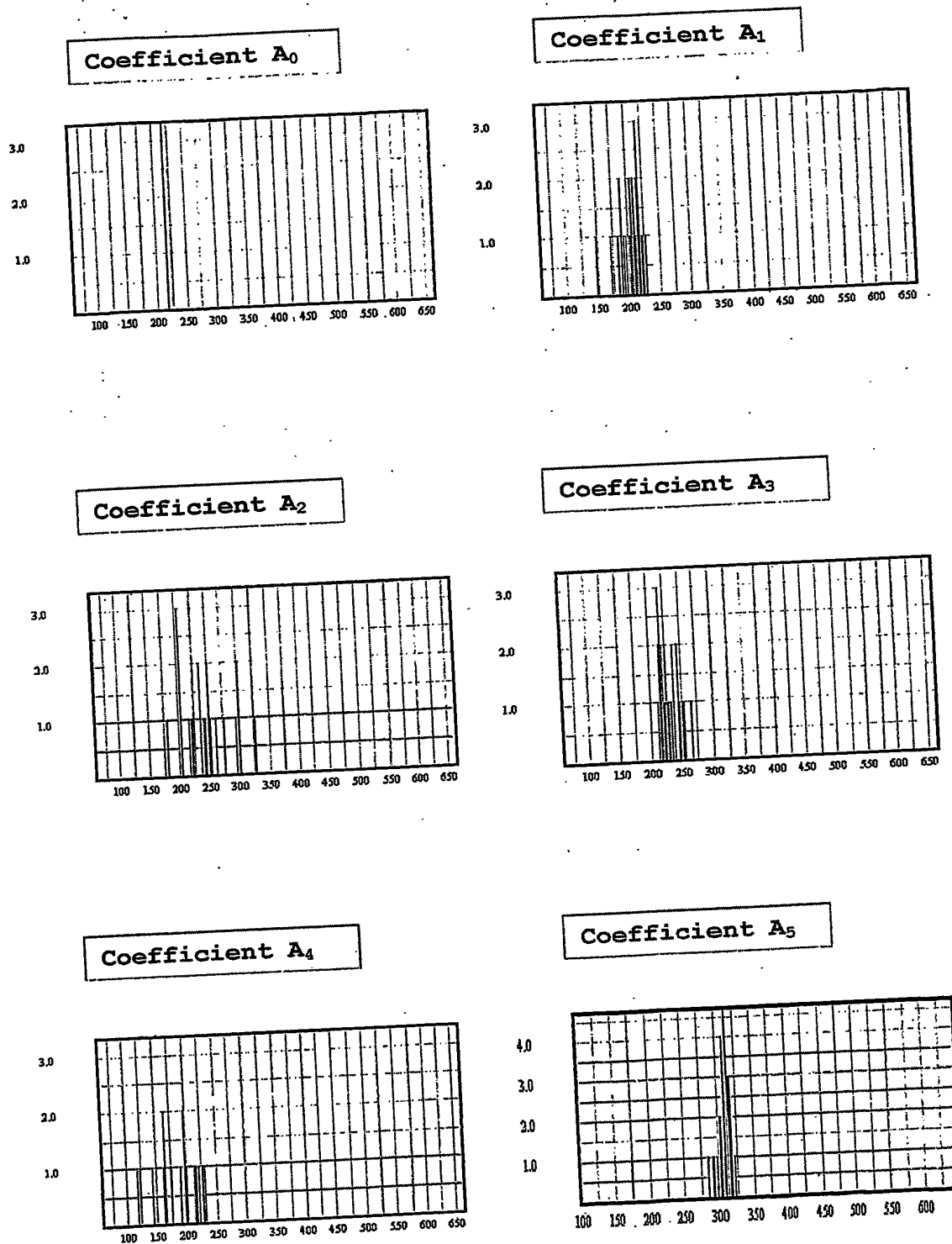
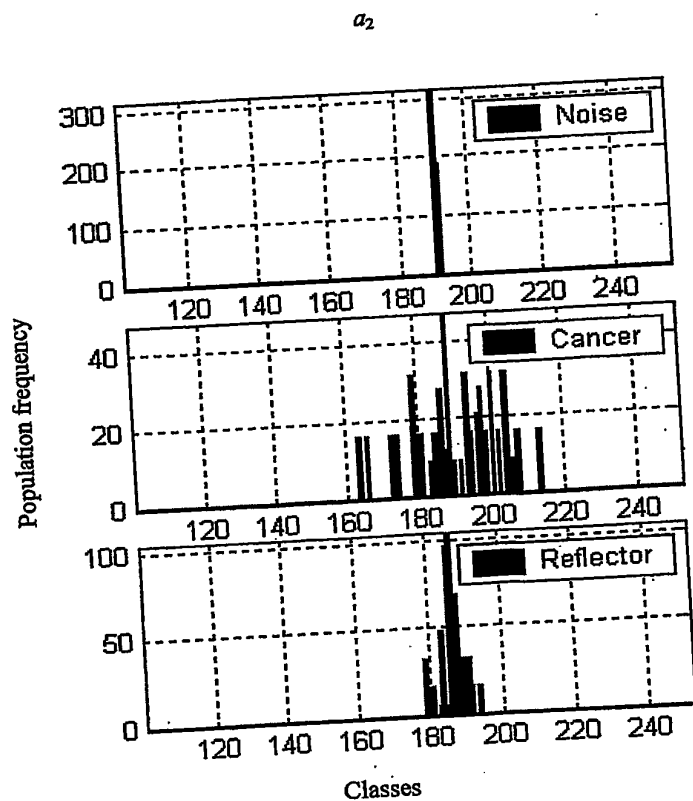
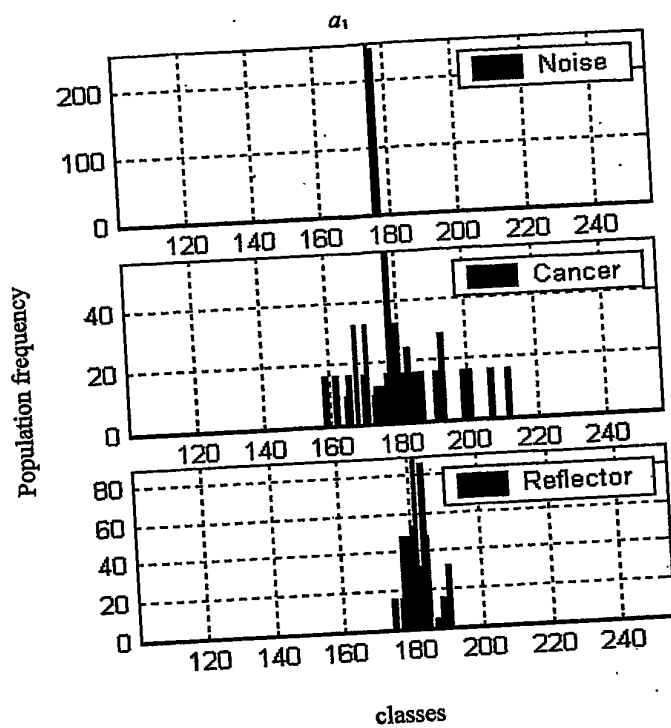
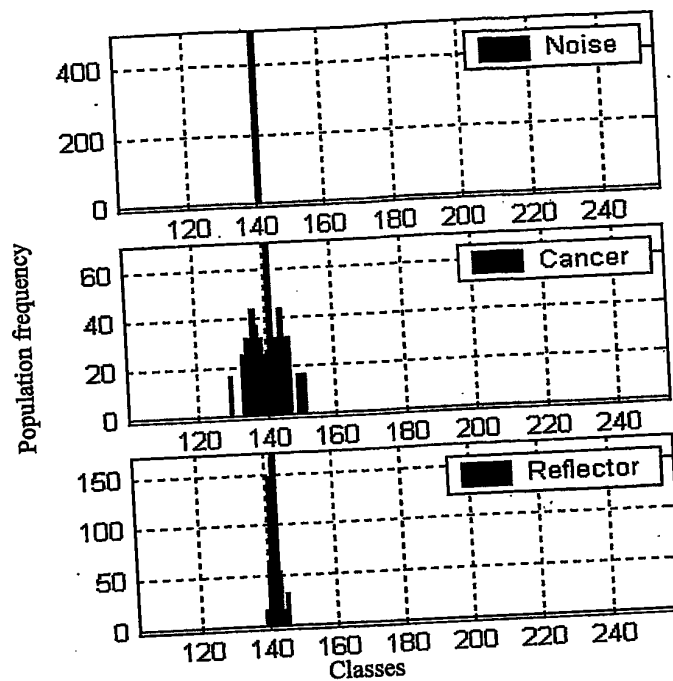


Fig.16

**Fig.17A**

a_3



a_4

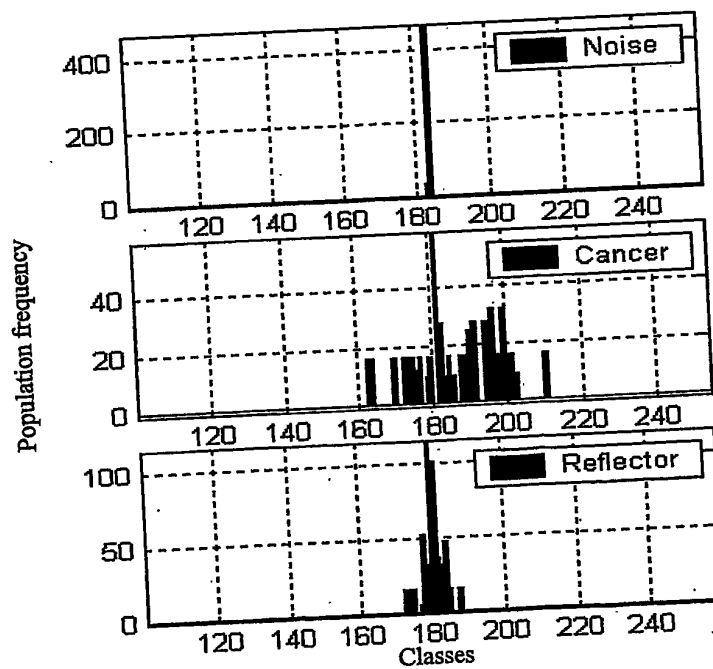


Fig.17B

Fig.17C

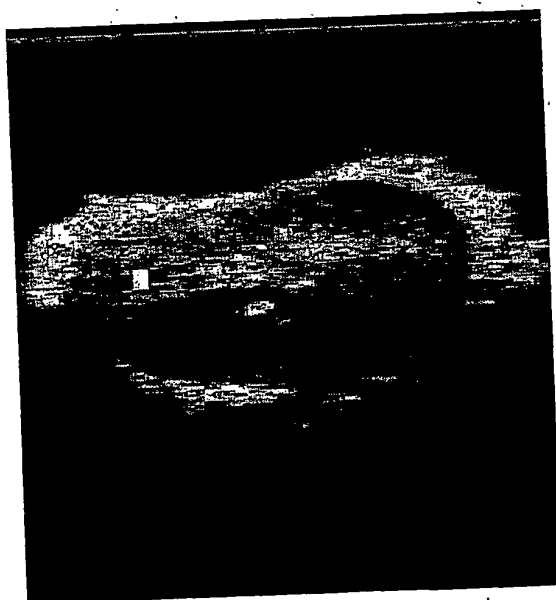
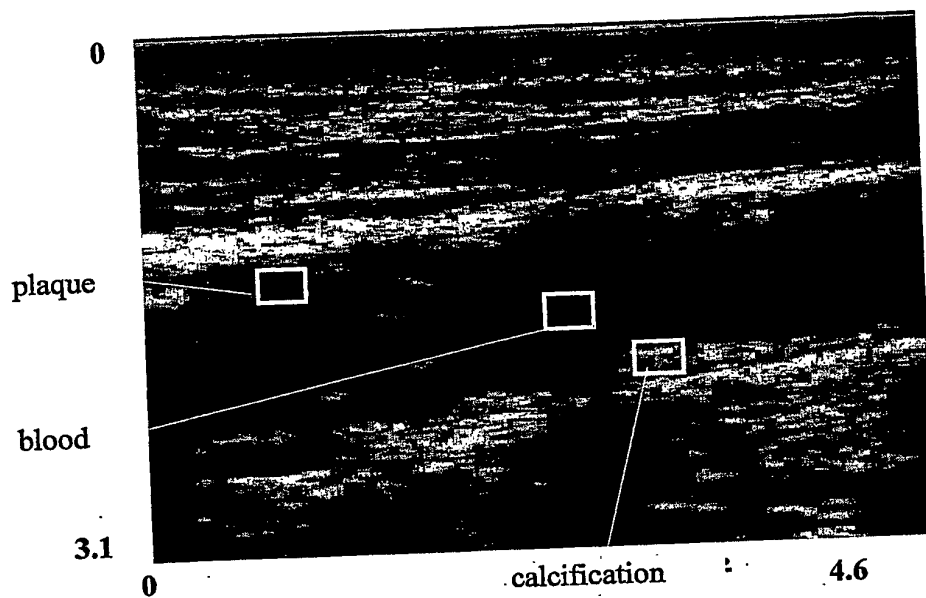
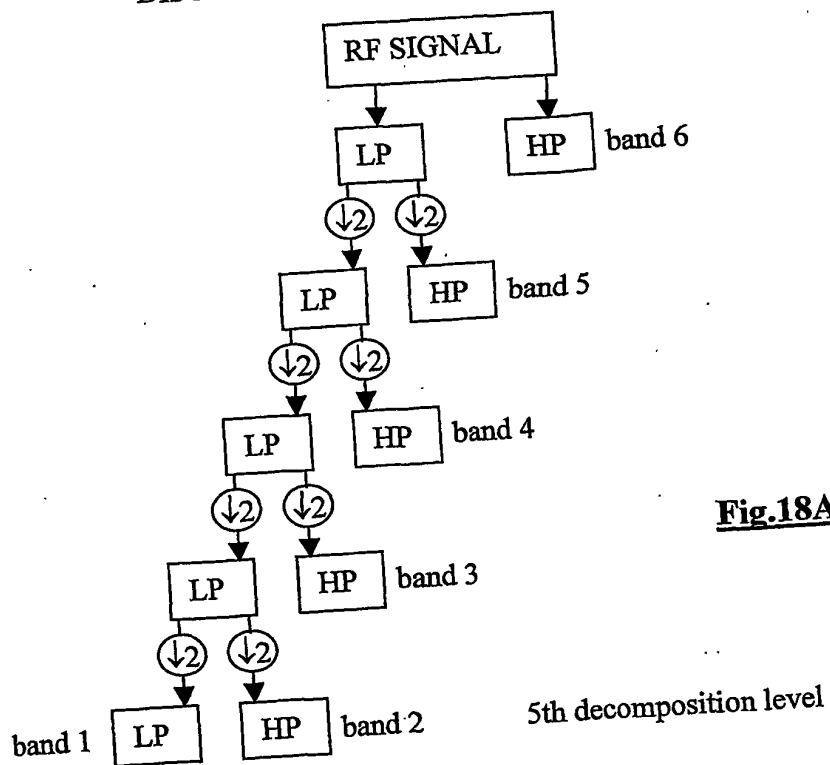
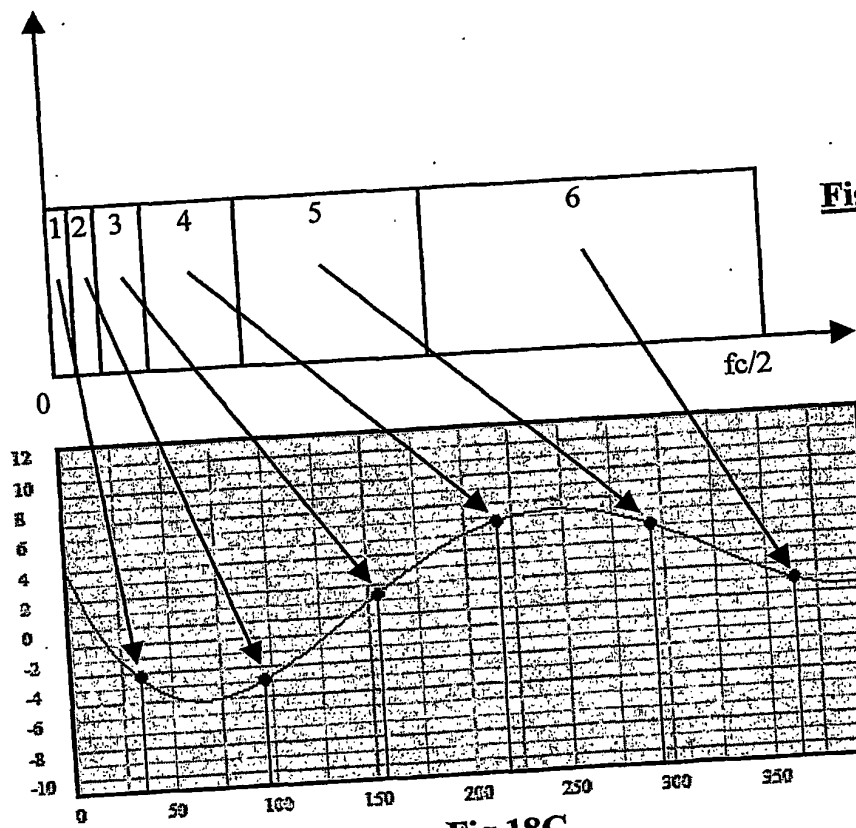


Fig.17D

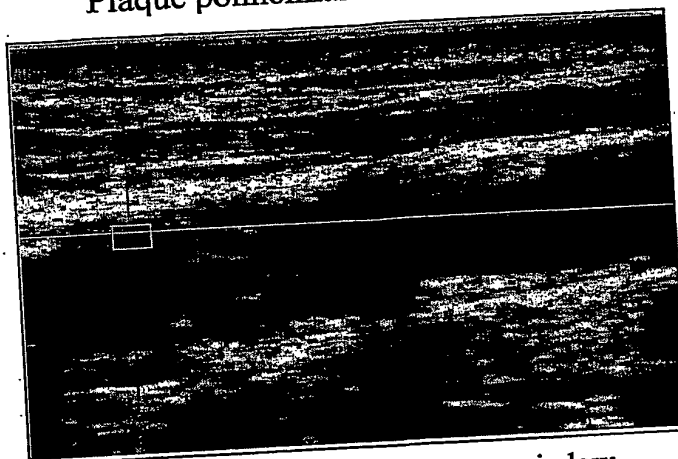
DISCRETE WAVELET DECOMPOSITION

**Fig.18A****Fig.18C**

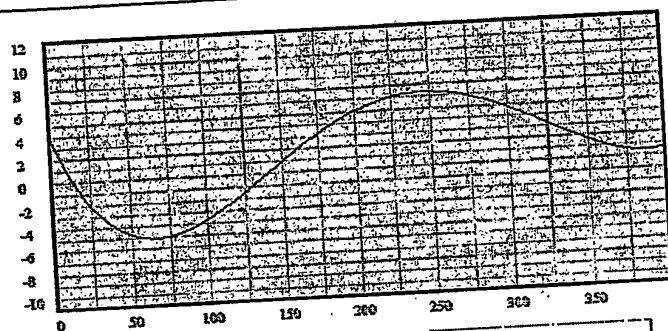
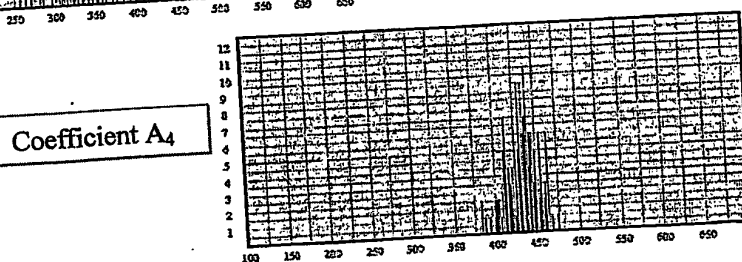
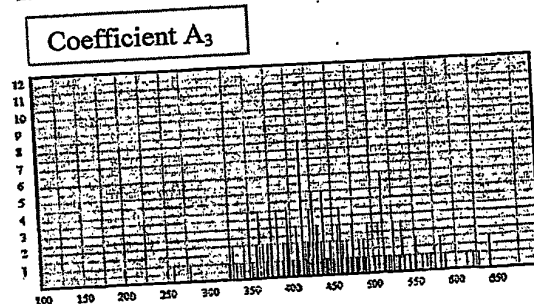
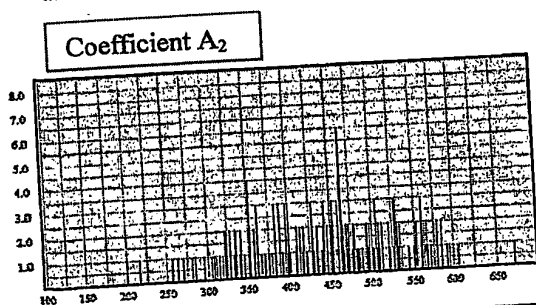
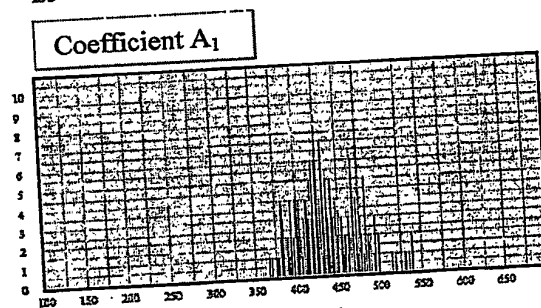
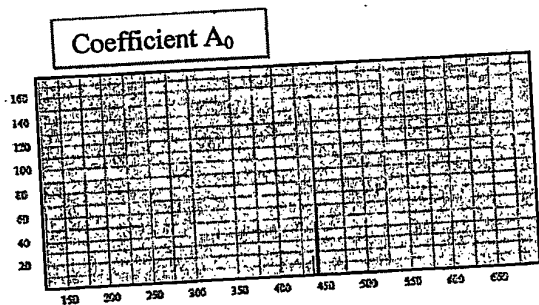
4th order polynomial

Fig.18B

Plaque polynomial and histograms



Polynomial cursor and histogram window

**Fig.19**

Blood polinomial and histograms



Polinomial cursor and histogram window

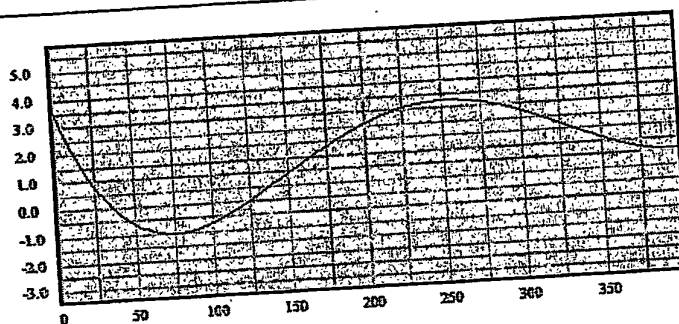
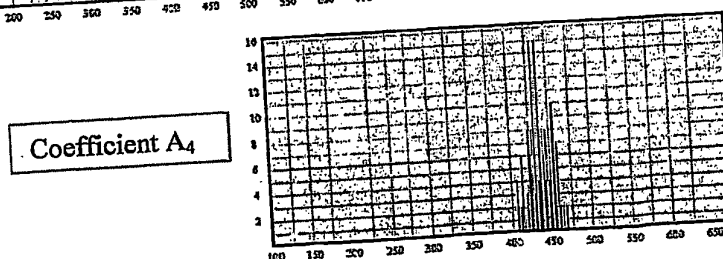
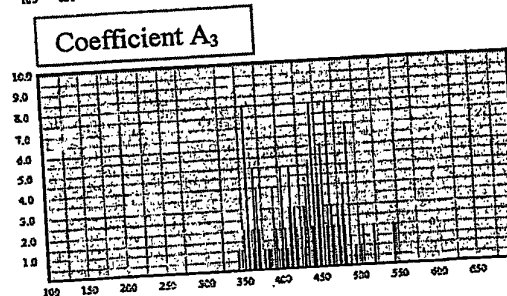
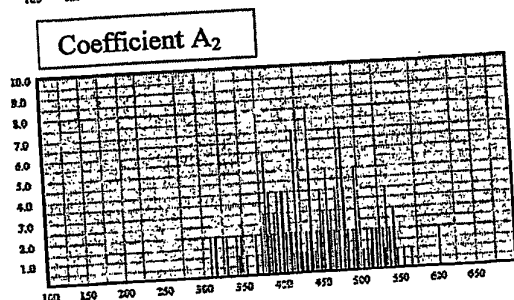
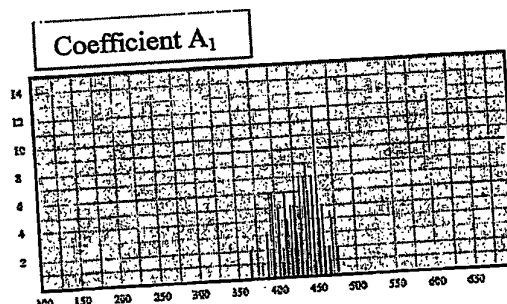
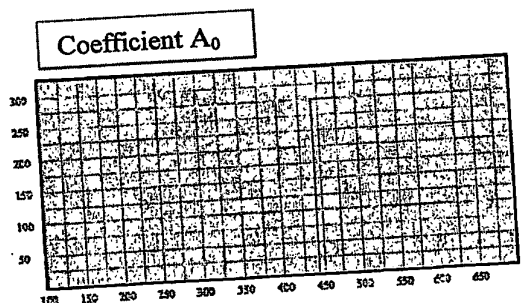


Fig.20



Calcification polinomial and histograms



Polinomial cursor and histogram window

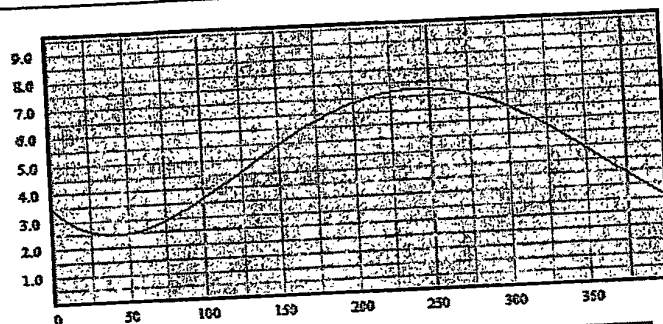
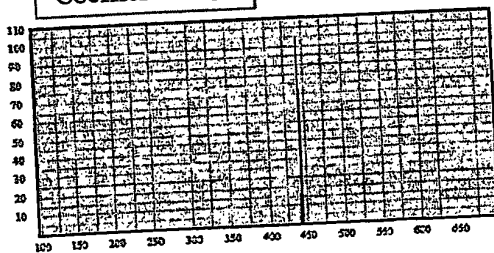
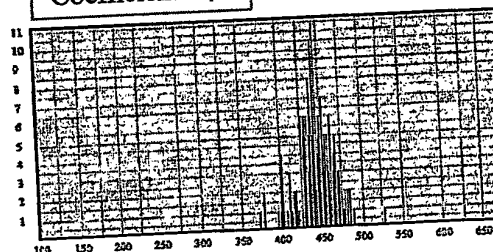


Fig.21

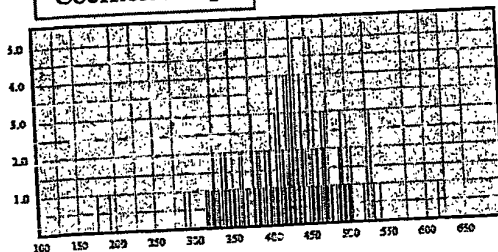
Coefficient A_0



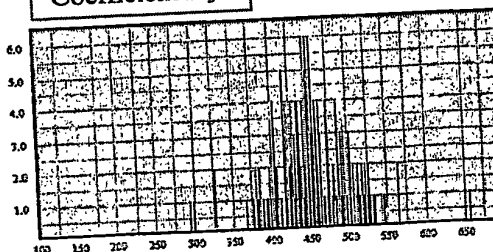
Coefficient A_1



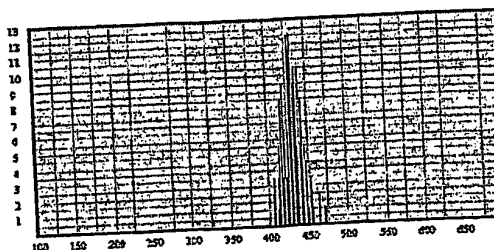
Coefficient A_2



Coefficient A_3



Coefficient A_4



DWPT TRANSFORM

DECOMPOSITION TREE

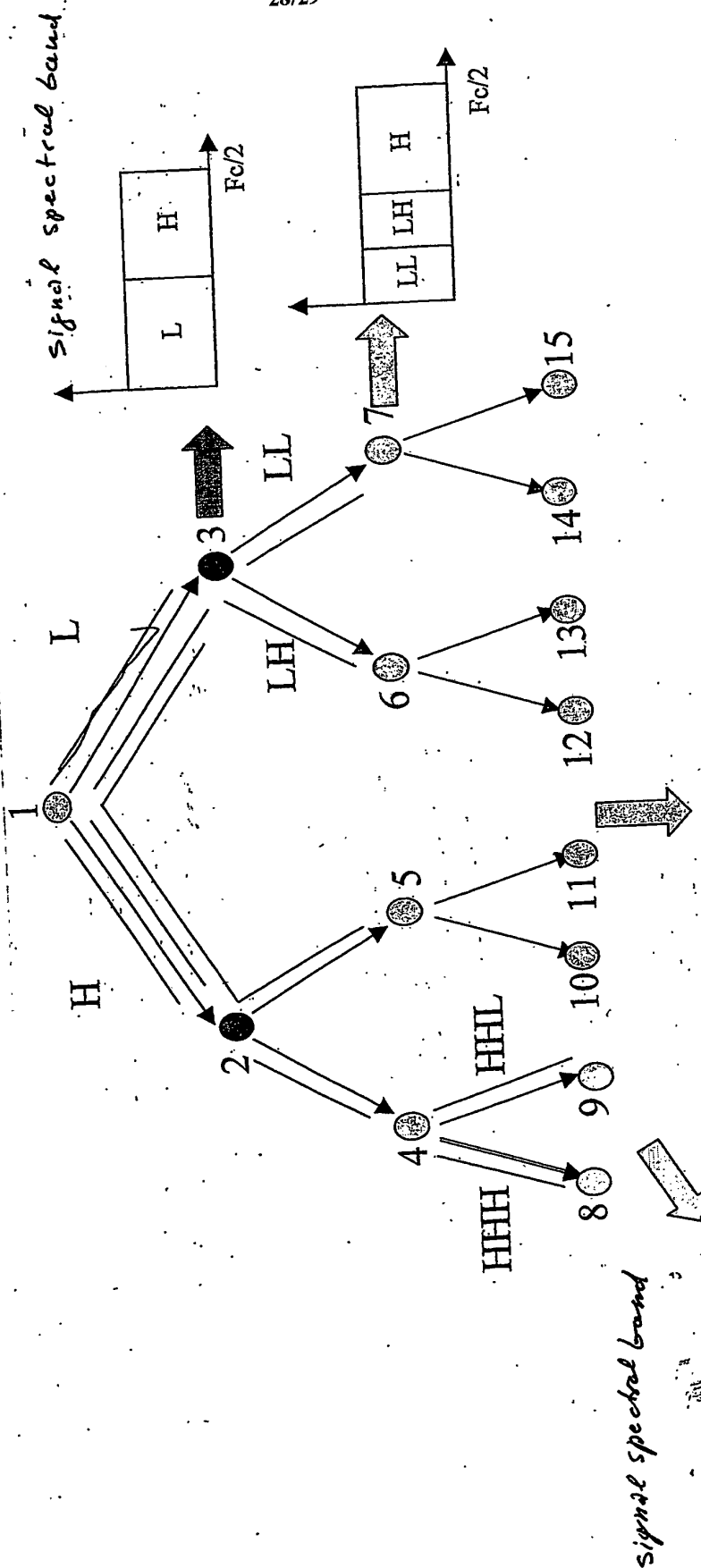
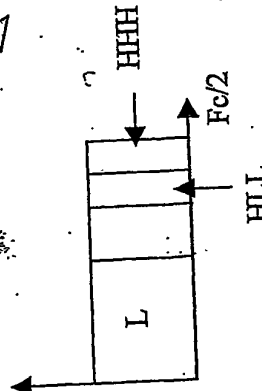
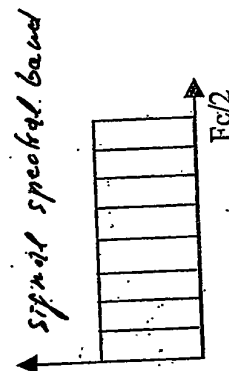
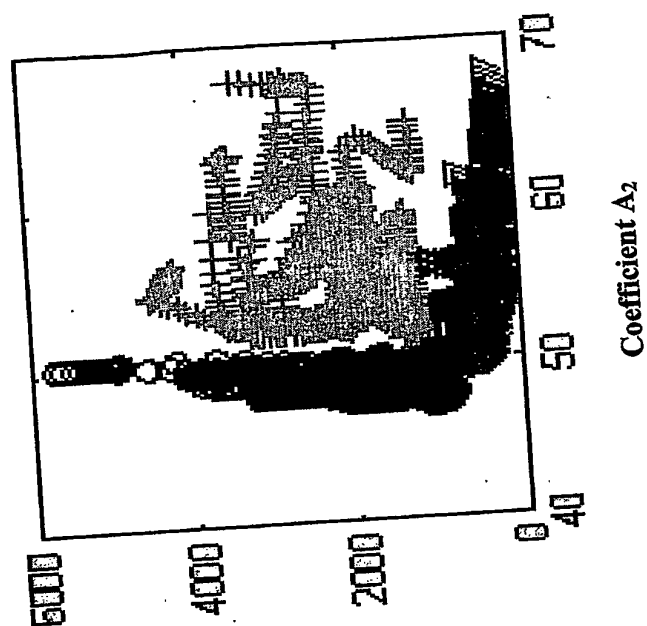
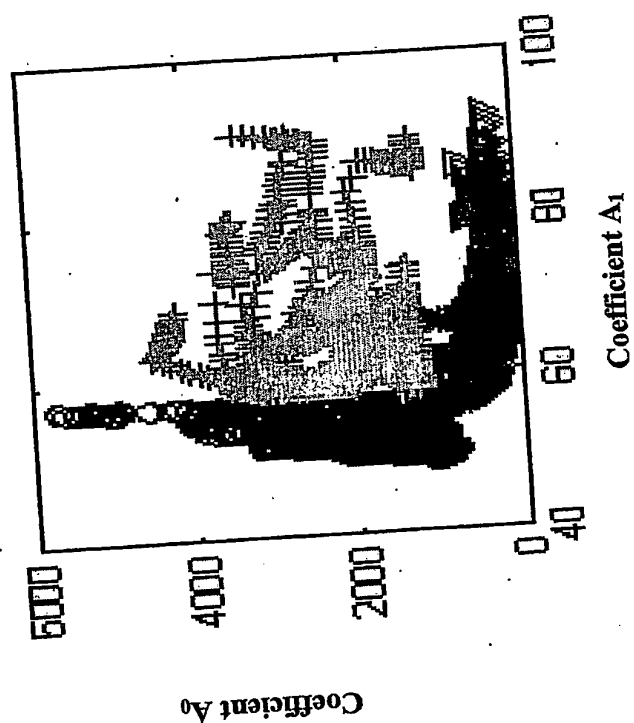


Fig.22





(B)



(A)

Fig.23

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